AMENDMENTS

      This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1.   **(Currently Amended)** An image sensing apparatus comprising:

    an image sensing element having a first light receiving area and a second light receiving area ~~other than the first light receiving area~~ which are formed on an image pickup [[area]] <u>surface</u> of a semiconductor substrate by a plurality of divisional exposure operations;

    a correction device ~~which corrects variations in~~ <u>configured to correct</u> a pixel signal output from said image sensing element; and

    a control device ~~which controls~~ <u>configured to control</u> said correction device to multiply [[the]] <u>a</u> correction value to pixel signals read out from the first light receiving area and the second light receiving area via a same channel and ~~controls~~ to write the pixel signals to which the correction value is multiplied to a frame memory as pixel data of <u>a</u> captured image, wherein

    said correction device corrects the pixel signal output from said image sensing element so that ~~the level~~ <u>a</u> difference between the pixel signals read out from the first light receiving area and the second light receiving area ~~via the same channel~~ is canceled.

2.   **(Previously Presented)** The apparatus according to claim 1, wherein said correction device divides the light receiving areas into a plurality of blocks, and performs correction using a different correction value for each block.

3.   **(Currently Amended)** The apparatus according to claim 1, wherein the light receiving areas include at least three partial image sensing regions in one direction, and said correction device corrects ~~remaining~~ <u>at least</u> two <u>of the three partial</u> image sensing regions with correction values by using as a reference a central partial image sensing region ~~among~~ <u>selected from</u> the three partial image sensing regions.

4.   **(Previously Presented)** The apparatus according to claim 1, wherein said correction device performs correction using different correction values in a boundary direction between the light receiving areas.

5.   **(Original)** The apparatus according to claim 1, wherein said correction device performs correction using a different correction value for each color.

6.   **(Currently Amended)** An image sensing apparatus comprising:

an image sensing element having a first light receiving area and a second light receiving area ~~other than the first light receiving area~~ on which color filters of a plurality of colors for sensing an object image are formed;

a correction device ~~which corrects~~ configured to correct variations between pixels in the light receiving areas by using a different correction value for each color; and

a control device ~~which controls~~ configured to control said correction device to multiply the correction value to pixel signals read out from the first light receiving area and the second light receiving area via a same channel and ~~controls~~ to write the pixel signals to which the correction value is multiplied to a frame memory as pixel data of a captured image, wherein

said correction device corrects the pixel signal output from said image sensing element so that ~~the level~~ a difference between the pixel signals read out from the first light receiving area and the second light receiving area ~~via the same channel~~ is canceled.

7.   **(Previously Presented)** The apparatus according to claim 6, wherein said image sensing element outputs a signal from a different output unit for each light receiving area, and said correction device performs correction using a different correction value for each output unit.

8.   **(Original)** The apparatus according to claim 6, wherein correction is performed using a different correction value for each lens.

9.   **(Original)** The apparatus according to claim 6, wherein correction is performed using a different correction value for each exit pupil position of an optical system.

10.   **(Original)** The apparatus according to claim 6, wherein correction is performed using a different correction value for each F-number.